

Cost-effective, low capacitance, screened servo motor cable

## Product Description

Well-priced; Well-proven, reliable

LAPP KABEL STUÏTGART ÖLFLEX® SERVO FD 781 CY  
4G2,5 DESINA, CE



## Application range

- Connecting cable between Frequency converter and motor
- For machine internal wiring of power circuits
- In dry, damp or wet interiors under medium mechanical load conditions
- Outdoor use only with UV protection and in accordance with the temperature range.

## Benefits

- Well-priced
- Well-proven, reliable

## Design

- Extra fine strands of plain copper wires (Class 6)
- Core insulation: Polypropylene (PP)
- Cores twisted in short lay lengths
- Nonwoven wrapping
- tinned copper braid
- PVC outer sheath, orange (RAL 2003)

## Approvals (Norm references)

- For travel distances up to 10 m.
- Usage in Power Chains: Please comply with the assembly guidelines Appendix T3

## Product features

- Its low capacity design allows longer cable lengths between the frequency converter and motor.
- Oil resistant



- Flame retardant (IEC 60332-1-2)
- Low adhesive surface
- Designed for up to 5 million bending change cycles in the power chain

### Cross-References

#### Accessories

SILVYN® CHAIN Cable protection and guiding systems

### Technical Data

#### Core identification code

Black with white numbers acc. to VDE 0293

#### Based on

VDE 0250/0281/0282

#### Specific insulation resistance

> 20 GOhm x cm

#### Conductor stranding

Extra fine wire in acc. with VDE 0295 Cl.6/IEC 60228 Cl. 6

#### Minimum bending radius

Flexible: 7,5 x outside diameter

Static: 4 x cable diameter

#### Rated voltage

U0/U:

0.6/1kV

#### Test voltage

4000 V

#### Protective conductor

G = with green/yellow earthing conductor

#### Range of temperature

Flexing: -5°C up to +70°C

Fixed installation: -40°C up to +80°C

### Article List

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
0036320	4 G 1,5	9.8	89.0	157
0036321	4 G 2,5	11.9	133.8	233
0036322	4 G 4	13.5	210.9	335
0036324	4 G 10	19.7	488.2	747
0036325	4 G 16	23.9	744.8	1109
0036327	4 G 35	33.3	1565.4	2264



0036328	4 G 50	38.3	2174.9	3090
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**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil  $\leq$  30 kg and  $\leq$  250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Photographs are not to scale and do not represent detailed images of the respective products.